



## JOB DESCRIPTION

Position Title: **Senior Engineer**

Working Title: **Broadcast Maintenance Engineer**

Class Code: 5313

Exempt

EEO Code: 02

Effective Date: August 30, 2002

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### **Major Function**

Professional and technical work responsible for the operation and maintenance of broadcast television and audio equipment for Seminole County Government Television (SGTV) as well as monitoring the technical performance of franchised cable television operators.

### **Essential Functions**

*Note: These are intended only as illustrations of the various types of work performed. The omission of specific duties does not exclude them from the position if the work is a logical assignment to the position.*

Designs, installs, operates, maintains, and repairs technical video and audio production, post production and broadcast equipment. Interprets and applies engineering data. Installs cameras, videotape recorders, routers, switches, editors, character generators, audio mixers, television monitors. Calibrates cameras, switchers, VCRs and video and audio amplifiers. Operates specialized test equipment.

Works closely with equipment vendors and users as required to ensure peak performance, proper maintenance and professional quality on air productions. Maintains records of equipment maintenance and repairs.

Provides technical support to other County Departments with the design, installation and maintenance of audio/video and cable television equipment.

Assists with the production and broadcast of live, videotaped and scrolling text productions.

Establishes and maintains effective working relationships with others.

Trains production equipment operators.

Monitors the technical performance of franchised cable television systems to ensure compliance with the County's standards.

Prepares recommendations for budget and controls expenditures from the approved budget.

This position may require the incumbent to work a flexible schedule including evening hours and weekends.

Performs other duties as assigned or as may be necessary.



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**\*\*\*\*\*Minimum Qualifications**

Considerable knowledge of operating theory of video systems in analog and digital formats. Knowledge of maintenance procedures for field production equipment including cameras, lighting and audio equipment. Working knowledge of specialized test equipment to include vectorscope, waveform monitor, spectrum analyzer, field strength meter, voltmeter and oscilloscope. Knowledge of cable, fiber and satellite receiving equipment. Knowledge of computer design and formats used in broadcast production.

Ability to design, operate, maintain, troubleshoot and repair television studio equipment including production facilities, control rooms, television studios live broadcast systems, automated playback systems and audio systems.

Bachelor's Degree in electronics or a closely related field and five (5) years' experience in broadcast engineering/maintenance.

Possession of a FCC Restricted Radio Telephone Operator Permit is preferable. Possession of a FCC General Class License is desirable.

Must possess and maintain a valid Florida Driver's License.

*A comparable amount of education, training, or experience may be substituted for the minimum qualifications.*

**Working Conditions**

The work environment for this position includes working in an office and in the field. Duties performed by this position may require prolonged sitting or standing. Incumbents in this position may be exposed to chemicals used in cleaning video equipment. Incumbent will carry equipment averaging fifty (50) pound.